



ABSTRACT OF THE DISCLOSURE

A pneumatic microfluid driving system having an air gallery structure with a suction component for sucking out fluid on a micro-reaction module and an exclusion component for excluding fluid on the micro-reaction module. The suction component includes an air gallery for receiving airflow provided by a servo-device and a micro-channel for connecting the air gallery to introduce airflow; wherein an exclusion component has an air gallery for receiving airflow provided by the servo-device and a micro-channel for connecting the air gallery and to channel airflow. The air gallery of the suction component contains a throat portion to generate a low pressure zone compared to the connecting channel and the air gallery of the exclusion component comprises an exclusion structure that guide at least a part of air flow into the connecting channel. The microfluid driving system is particularly suitable for all kinds of micro-reaction modules for biochemical tests and operations, with the effective results of simplifying the production procedures and lowering the costs.